

(43) International Publication Date 9 June 2005 (09.06.2005) (10) International Publication Number WO 2005/052004 A3

- (51) International Patent Classification⁷: A61K 39/395, C07K 16/28, 16/46
- (21) International Application Number:

PCT/EP2004/0 13445

(22) International Filing Date:

26 November 2004 (26 11 2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0302751 1 9

28 November 2003 (28 11 2003) E

- (71) Applicant (for all designated States except US): MI-CROMET AG [DE/DE], Staffelseestrasse 2, 81477 Munchen (DE)
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): HOFMEISTER, Robert [DE/DE], c/o Micromet AG, Staffelseestrasse 2, 81477 Munchen (DE) PRANG, Nadja [DE/DE], c/o Micromet AG, Staffelseestrasse 2, 81477 Munchen (DE) WOLF, Andreas [DE/DE], c/o Micromet AG, Staffelseestrasse 2, 81477 Munchen (DE) HANAKAM, Frank [DE/DE], c/o Micromet AG, Staffelseestrasse 2, 81477 Munchen (DE) URBIG, Thomas [DE/DE], c/o Micromet AG, Staffelseestrasse 2, 81477 Munchen (DE) ITIN, Christian [CH/DE], c/o Micromet AG, Staffelseestrasse 2, 81477 Munchen (DE) BAEUERLE, Patrick [DE/DE], c/o Micromet AG, Staffelseestrasse 2, 81477 Munchen (DE) BAEUERLE, Patrick [DE/DE], c/o Micromet AG, Staffelseestrasse 2, 81477 Munchen (DE)

- (74) Agent: DEHMEL, Albrecht, Dehmel & Bettenhausen, Herzogspitalstr 11, 80331 Munchen (DE)
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

Published:

with international search report

(88) Date of publication of the international search report: 9 March 2006

For two letter codes and other abbreviations, refer to the "Guid ance Notes on Codes and Abbreviations" appearing at the begin ning of each regular issue of the PCT Gazette

(54) Title: COMPOSITIONS COMPRISING POLYPEPTIDES

(57) Abstract: The present invention relates to compositions comp π sing polypeptides, especially polypeptides capable of specifically binding predetermined antigens. The polypeptide in the composition comp π ses at least two antigen binding sites. These at least two antigen binding sites are located on a single polypeptide chain. One of the at least two antigen binding sites specifically binds the human CD3 antigen. The polypeptide may exist in both monome π c form and multime π c form. The multime π c form of the polypeptide constitutes no more than 5% of the total weight of the combined monome π c and multime π c forms of said polypeptide